

POWER AMPLIFIER PENTODE

This type is also known as "LA"

Filament	Coated			
Voltage	6.3	a-c or d-c volts		
Current	0.3	amp.		
Maximum Overall Length		4-11/16"		
Maximum Diameter		1-13/16" ST-14		
Bulb				
Base	(3)	Medium 5-Pin		
Pin 1-Filament+	(2) (4)	Pin 4-Screen		
Pin 2-Plate		Pin 5-Filament-		
Pin 3-Grid	(1) (S)			
	BOTTOM VIEW			

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	6.3	6.3	6.3	6.3	d-c	volts
Plate	100	135	165	180	max.	volts
Screen	100	135	165	180	max.	volts
Grid*	-6.5	-9	-11	-12		volts
Amp. Fact . (approx.	100	100	100	100		
Plate Res.	83250	52600	48000	45500	approx.	ohma
Mut. Cond.	1200	1900	2100	2200		µmhos
Plate Cur.	9	14	20	22		ma.
Screen Cur.	1.6	2.5	3.5	3.9		ma.
Load Res.	11000	9500	8000	8000		ohma
Self-Bigs Res.D	615	545	470	465		ohms
P.O. 0	0.31	0.7	1.2	1.4		watts

^{9\$} total harmonic distortion.

If a single 6A4 is operated self-biased, the self-biasing resistor should be shunted by a suitable filter network to avoid degenerative effects at low audio frequencies. The use of two 6A4's in push-pull eliminates the necessity for shunting the resistor.

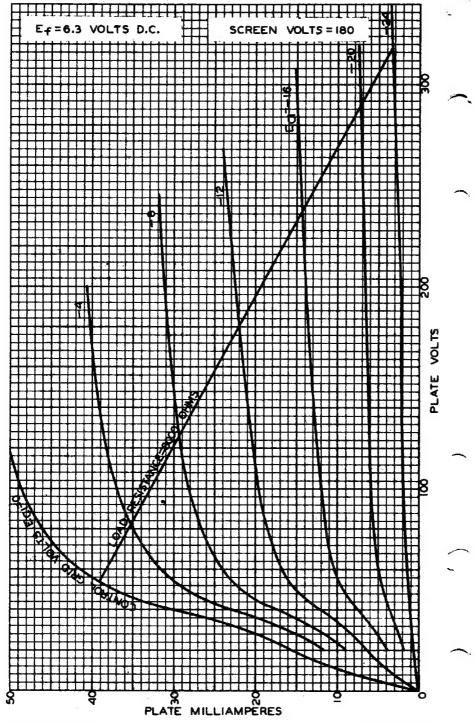
o For a push-pull stage with two 6A4's, the self-biasing resistor is one-half of the value for single tube oper-

Transformer or impedance input-coupling devices are recommended. If resistance coupling is employed, the grid resistor should not exceed 0.5 megohm.

Grid volts measured from negative end of d-c operated filament. If the filament is a-c operated, the tabulated values of grid bias should each be increased by 4.0 volts and be referred to the mid-point of the filament.

600





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RCA RADIOTRON DIVISION

925-5336